

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((alignment adj measuring adj system) AND splitter and diode).clm.	US-PGPUB	AND	ON	2007/02/22 13:59
L2	1	((alignment adj measuring adj system) AND (wafer) AND (focusing ADJ diode)).clm.	US-PGPUB	AND	ON	2007/02/22 13:59
L3	1	((alignment adj measuring adj system) AND (focusing ADJ diode)).clm.	US-PGPUB	AND	ON	2007/02/22 14:24
L4	1	((first and second power level) AND alignment AND (focusing ADJ diode)).clm.	US-PGPUB	ADJ	ON	2007/02/22 14:25
L5	1	((first power level) AND alignment AND (focusing ADJ diode)).clm.	US-PGPUB	ADJ	ON	2007/02/22 14:25
S2	141	alignment ADJ3 measuring\$ ADJ3 system	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/21 09:35
S3	7	S2 SAME splitter	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/16 11:32
S4	905	356/73.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 07:37
S5	8619	splitter\$2 SAME align\$5	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 07:39
S6	589	splitter\$2 SAME align\$5 SAME (sensor or detector) same control\$4	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 07:40
S7	547	S6 same (laser or light or beam or ray or source)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 07:42
S8	811889	"7" same (power or intensity or focus)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:14
S9	202083	increase NEAR7 (power or intensity)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:16
S10	79974	decrease NEAR7 (power or intensity)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:16
S11	589	splitter\$2 SAME align\$5 SAME (sensor or detector) same control\$4	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:16

EAST Search History

S12	547	S11 same (laser or light or beam or ray or source)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:16
S13	4	S9 same S10 same S12	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:21
S14	1976281	(vary\$4 or chang\$5 or alter\$4 or increase or decrease) same (level or intensity or power or voltage)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:23
S15	94	S14 same S12	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 09:13
S16	0	(tune or tuning or attenuator) same S13	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 08:57
S17	10082	alignment.ti.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 09:20
S18	63	S17 and S11	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 13:07
S19	1	"6498644".pn.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 09:54
S20	1	"6501189".pn.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 10:11
S21	1	"4450358".pn.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 10:01
S22	7	"290282".ap.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 10:12
S23	1	"4982227".pn.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 10:30
S24	59	S18 and (control or controller)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/08/24 13:08
S25	2	("6320993" "6944403").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/24 14:09

EAST Search History

S26	67	("2982859" "3492484" "3649105" "3990780" "4003655" "4179183" "4198116" "4208094" "4234145" "4236783" "4249814" "4303302" "4303303" "4304460" "4322126" "4365863" "4431258" "4432599" "4470662" "4498730" "4574191" "4603975" "4613203" "4614868" "4626066" "4644160" "4657339" "4714326" "4738500" "4789215" "4790621" "4796263" "4814600" "4818052" "4823402" "4838631" "4838637" "4859012" "4927225" "4932745" "4993796" "5005934" "5028104" "5030004" "5031987" "5150245" "5199088" "5204922" "5208880" "5221987" "5271075" "5291324" "5317659" "5420946" "5436986" "5440654" "5453827" "5524153" "5546484" "5594820" "5627669" "5629993" "5647033" "5671304" "5999555").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:21
S27	2	("6320993" "6944403").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:08

EAST Search History

S28	67	("2982859" "3492484" "3649105" "3990780" "4003655" "4179183" "4198116" "4208094" "4234145" "4236783" "4249814" "4303302" "4303303" "4304460" "4322126" "4365863" "4431258" "4432599" "4470662" "4498730" "4574191" "4603975" "4613203" "4614868" "4626066" "4644160" "4657339" "4714326" "4738500" "4789215" "4790621" "4796263" "4814600" "4818052" "4823402" "4838631" "4838637" "4859012" "4927225" "4932745" "4993796" "5005934" "5028104" "5030004" "5031987" "5150245" "5199088" "5204922" "5208880" "5221987" "5271075" "5291324" "5317659" "5420946" "5436986" "5440654" "5453827" "5524153" "5546484" "5594820" "5627669" "5629993" "5647033" "5671304" "5999555").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:08
S29	67	("2982859" "3492484" "3649105" "3990780" "4003655" "4179183" "4198116" "4208094" "4234145" "4236783" "4249814" "4303302" "4303303" "4304460" "4322126" "4365863" "4431258" "4432599" "4470662" "4498730" "4574191" "4603975" "4613203" "4614868" "4626066" "4644160" "4657339" "4714326" "4738500" "4789215" "4790621" "4796263" "4814600" "4818052" "4823402" "4838631" "4838637" "4859012" "4927225" "4932745" "4993796" "5005934" "5028104" "5030004" "5031987" "5150245" "5199088" "5204922" "5208880" "5221987" "5271075" "5291324" "5317659" "5420946" "5436986" "5440654" "5453827" "5524153" "5546484" "5594820" "5627669" "5629993" "5647033" "5671304" "5999555").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:11

EAST Search History

S30	1	"4917452".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:21
S31	67	("2982859" "3492484" "3649105" "3990780" "4003655" "4179183" "4198116" "4208094" "4234145" "4236783" "4249814" "4303302" "4303303" "4304460" "4322126" "4365863" "4431258" "4432599" "4470662" "4498730" "4574191" "4603975" "4613203" "4614868" "4626066" "4644160" "4657339" "4714326" "4738500" "4789215" "4790621" "4796263" "4814600" "4818052" "4823402" "4838631" "4838637" "4859012" "4927225" "4932745" "4993796" "5005934" "5028104" "5030004" "5031987" "5150245" "5199088" "5204922" "5208880" "5221987" "5271075" "5291324" "5317659" "5420946" "5436986" "5440654" "5453827" "5524153" "5546484" "5594820" "5627669" "5629993" "5647033" "5671304" "5999555").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:22
S32	59	S31 AND (increase or decrease or change or vary)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:23
S33	36	S32 and (power or intensity or amplitude)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:32
S34	1	"4243877".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:35
S35	1	"5830139".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:35
S36	12	("5005577" "5076274" "5109852" "5148807" "5165409" "5179953" "5183044" "5217015" "5251627" "5295495" "5375595" "5636635").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:43
S37	0	"10055121".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:43

EAST Search History

S38	0	"10055121".ap.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:43
S39	5	"055121".ap.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:47
S40	0	"5251057".ap.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:47
S41	1	"5251057".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/25 10:47
S42	2183	splitt\$4 near10 (LCD or liquid adj crystal)	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/29 10:06
S43	16	S42 near10 advantag\$4	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/29 09:30
S44	5	("5453859" "5579159" "5625491" "5648870" "5872653").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/29 09:50
S45	0	L1@ad<"20030625"	US-PGPUB	AND	ON	2006/08/29 10:08
S46	0	L1@pd<"20030625"	US-PGPUB	AND	ON	2006/08/29 10:09
S47	0	L1@py<"2003"	US-PGPUB	AND	ON	2006/08/29 10:09
S48	0	(slitt\$4 near10 (LCD or liquid ADJ crystal)) same advantag\$4	US-PGPUB; USPAT; JPO	AND	OFF	2006/08/29 10:11
S49	18	(slitt\$4 near10 (LCD or liquid ADJ crystal))	US-PGPUB; USPAT; JPO	AND	OFF	2006/08/29 10:11
S50	5	("6280034" "6304302" "6490087" "6636276" "6672722").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/29 10:14

EAST Search History

S51	38	("3812325" "3819910" "3928759" "3946205" "4040740" "4057784" "4135663" "4195772" "4217487" "4251798" "4315245" "4369361" "4387297" "4409470" "4460120" "4473746" "4481667" "4496831" "4548463" "4591242" "4593186" "4605846" "4629876" "4673805" "4698797" "4734566" "4736095" "4743773" "4758717" "4760248" "4806742" "4813034" "4818856" "4897532" "4900907" "4933538" "5028776" "5073702").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/08/29 10:52
S52	6414	(align\$6 NEAR15 measur\$4) AND system SAME (split\$4 or lens)	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 13:43
S53	239727	"LCD" or "liquid crystal"	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 13:42
S54	2241	S52 AND S53	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 13:42
S55	2061	(align\$6 NEAR15 measur\$4) AND system same ("LCD" OR "LIQUID CRYSTAL")	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 13:43
S56	1969	S55 AND control\$4	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 13:44
S57	1817	S56 AND (wafer or substrate or sample or reticle or mark)	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 16:36
S58	604	S57 AND split\$4	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 16:36
S59	463	S57 AND beam ADJ split\$4	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/30 16:37
S60	7682	("light source" or laser or beam) SAME (splitter) SAME ("image sensor" or sensor or detect\$4) SAME (control\$4)	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 10:51
S61	1925	(wafer or substrate or reticle or sample or mark or stage) SAME S60	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 10:53

EAST Search History

S62	20278	Align\$5.ti.	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 10:54
S63	95	S62 AND S61	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:36
S64	24240	two ADJ5 split\$5	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:36
S65	19	S64 and S63	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:54
S66	135468	align\$4.ab.	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:55
S67	171	S66 and S61	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:57
S68	33	S66 and S61 and S64	US-PGPUB; USPAT; IBM_TDB	AND	ON	2006/08/31 13:57
S69	2008	(356/73, 356/496, 356/401).ccls.	USPAT	AND	ON	2006/08/31 15:16
S70	52726	(splitter or beam splitter)	USPAT	AND	ON	2006/08/31 15:19
S71	669502	(sensor or detector)	USPAT	AND	ON	2006/08/31 15:20
S72	1257477	wafer or substrate or reticle or sample or mark	USPAT	AND	ON	2006/08/31 15:23
S73	447	S69 AND S70 AND S71 AND S72	USPAT	AND	ON	2006/08/31 15:24
S88	0	Young-Lae Kim.in.	USPAT	AND	ON	2006/09/05 11:09
S89	2	Young-Lae Kim.in.	US-PGPUB; USPAT; USOCR; IBM_TDB	AND	ON	2006/09/05 11:09
S90	3547011	(laser or "light source" or source or light)	US-PGPUB; USPAT; USOCR; IBM_TDB	AND	ON	2006/09/05 11:10
S91	1615485	(wafer or substrate or sample or mark or stage or reticle)	USPAT	AND	ON	2006/09/05 11:11
S92	8170	beam\$split\$4	USPAT	AND	ON	2006/09/05 11:12
S93	8416	("beamsplitter" or "beam splitter" "beam-splitter" or "phase-splitter" or "phase splitter")	USPAT	AND	ON	2006/09/05 11:13
S94	670506	("image sensor" or sensor or detector)	USPAT	AND	ON	2006/09/05 11:14
S95	1973131	(control or controller)	USPAT	AND	ON	2006/09/05 11:15

EAST Search History

S96	145169	(align or alignment or measure or measuring or optic or optical) NEAR system	USPAT	AND	ON	2006/09/05 11:16
S97	2103	S90 AND S91 AND S93 AND S94 AND S95 AND S96	USPAT	AND	ON	2006/09/05 13:10
S98	8807	S96.ti.	USPAT	AND	ON	2006/09/05 11:35
S99	86	S98 AND S97	USPAT	AND	ON	2006/09/05 11:24
S100	48096	Photo\$lithography	USPAT	AND	ON	2006/09/05 11:25
S101	6401	("photolithography" OR "photo-lithography" OR "photo lithography") AND ((image ADJ sensor) OR detector)	USPAT	AND	ON	2006/09/05 11:28
S102	521	("photolithography" OR "photo-lithography" OR "photo lithography") SAME ((image ADJ sensor) OR detector)	USPAT	AND	ON	2006/09/05 11:28
S103	47147	(measur\$4 WITH system) AND align\$4	USPAT	AND	ON	2006/09/05 11:30
S104	51	S103 AND S102	USPAT	AND	ON	2006/09/05 11:31
S105	32370	beam ADJ splitter	USPAT	AND	ON	2006/09/05 11:32
S106	4354	((beam or phase) ADJ splitter or beam-splitter) SAME (wafer or substrate or reticle or mark or sample)	USPAT	AND	ON	2006/09/05 11:33
S107	4	S104 AND S106	USPAT	AND	ON	2006/09/05 11:34
S108	185	S102 NOT temperature	USPAT	AND	ON	2006/09/19 15:51
S109	3	S108 AND S103 AND S106	USPAT	AND	ON	2006/09/05 11:39
S110	4	"821890".ap.	USPAT	AND	ON	2006/09/05 13:10
S111	5	"821890".ap.	US-PGPUB; USPAT	AND	ON	2006/09/05 13:11
S112	524	("photolithography" OR "photo-lithography" OR "photo lithography") SAME ((image ADJ sensor) OR detector)	USPAT	AND	ON	2006/09/19 15:51
S113	186	S112 NOT temperature	USPAT	AND	ON	2006/09/19 16:18
S114	1	"5251057".pn.	USPAT	AND	ON	2006/09/19 16:18

EAST Search History

S11 5	12	("3383460" "3495892" "3503670" "3591254" "3684350" "3764218" "4474435" "4686542" "4733252").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/19 16:18
S11 6	46	("5251057").URPN.	USPAT	AND	ON	2006/09/19 16:31
S11 7	1	"5627669".pn.	USPAT	AND	ON	2006/09/19 16:31
S11 8	7	("3813553" "4867560" "4888816" "4923291" "5065455" "5142400" "5347387").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/09/19 16:31
S11 9	47	("4867560").URPN.	USPAT	AND	ON	2006/09/19 16:34
S12 0	133	(rotat\$2 or rotating) adj3 (beamsplitter or beam\$splitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 09:47
S12 1	249	((rotat\$2 or rotating or adjust\$4) adj3 (beamsplitter or beam\$splitter)) AND (control or controller or computer or signal or electric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 10:32
S12 2	112	((rotat\$2 or rotating or adjust\$4) adj3 (beamsplitter or beam\$splitter)) SAME (control or controller or computer or signal or electric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 10:10
S12 3	39	S121 AND w(afer or sample or stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 10:10
S12 4	145	S121 AND (wafer or sample or stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 10:11

EAST Search History

S12 5	161	((rotat\$2 or rotating or adjust\$4) adj3 (beamsplitter or beam\$splitter)) AND (wafer or sample or stage or semiconductor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:27
S12 6	3283	"356"/\$.ccls. AND (beamsplitter or beam\$splitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:27
S12 7	6	"356"/\$.ccls. AND (rotate adj3 (beamsplitter or beam\$splitter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:28
S12 8	54	"356"/\$.ccls. AND (rotat\$4 adj3 (beamsplitter or beam\$splitter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:44
S12 9	50	"356"/\$.ccls. AND (adjust\$4 adj3 (beamsplitter or beam\$splitter))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:52
S13 0	103	"356"/\$.ccls. AND (adjust\$4 adj3 splitter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:53
S13 1	52	"356"/\$.ccls. AND (adjust\$4 adj3 splitter) AND (wafer or substrate or semiconductor or sample)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/21 11:54

EAST Search History

S13 2	6	("4019818" "5710631" "5999261").PN. OR ("6741357").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/21 13:55
S13 3	1	((alignment adj measuring adj system) AND (wafer) AND (focusing ADJ diode)).clm.	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/22 13:59
S13 4	1	((alignment adj measuring adj system) AND (focusing ADJ diode)).clm.	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/22 13:59
S13 5	1	((alignment adj measuring adj system) AND splitter and diode).clm.	US-PGPUB; USPAT; USOCR	AND	ON	2007/02/22 13:59